

Title (en)  
RADIO COMMUNICATION SYSTEM

Title (de)  
FUNKKOMMUNIKATIONSSYSTEM

Title (fr)  
SYSTEME DE RADIOCOMMUNICATION

Publication  
**EP 1494379 A4 20101020 (EN)**

Application  
**EP 03707056 A 20030225**

Priority

- JP 0302059 W 20030225
- JP 2002105245 A 20020408

Abstract (en)  
[origin: WO03085867A1] A TDMA radio communication system using a plural sub-carrier modulation method and having at least a first and a second radio station. The second radio station selects only such a sub-carrier that can obtain a transmission rate not smaller than a predetermined value in the first radio station according to the reception condition of each sub-carrier in the first radio station and modulates the selected sub-carrier by a multinary value or coding ratio corresponding to the reception condition so as to obtain a desired transmission rate and suppress interference to another cell.

IPC 8 full level  
**H04J 11/00** (2006.01); **H04J 3/00** (2006.01); **H04L 1/00** (2006.01); **H04L 5/06** (2006.01); **H04L 27/26** (2006.01)

CPC (source: EP KR US)  
**H04L 1/0003** (2013.01 - EP KR US); **H04L 1/0009** (2013.01 - EP KR US); **H04L 5/0044** (2013.01 - KR); **H04L 5/006** (2013.01 - KR); **H04L 5/06** (2013.01 - EP US); **H04L 27/2627** (2013.01 - KR); **H04B 17/345** (2015.01 - KR); **H04J 2011/0013** (2013.01 - KR)

Citation (search report)

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- [A] WO 9851111 A1 19981112 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] CHI-HSIAO YIH ET AL: "Adaptive modulation, power allocation and control for OFDM wireless networks", PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 2000. PIMRC 2000. TH E 11TH IEEE INTERNATIONAL SYMPOSIUM ON SEPT. 18-21, 2000, PISCATAWAY, NJ, USA, IEEE, vol. 2, 18 September 2000 (2000-09-18), pages 809 - 813, XP010520747, ISBN: 978-0-7803-6463-9
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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1494379 A1 20050105; EP 1494379 A4 20101020; EP 1494379 B1 20160120**; AU 2003211690 A1 20031020; CN 1659816 A 20050824; CN 1659816 B 20110330; JP 2003304214 A 20031024; JP 4078105 B2 20080423; KR 100689992 B1 20070309; KR 20040097319 A 20041117; US 2005163067 A1 20050728; US 7359341 B2 20080415; WO 03085867 A1 20031016

DOCDB simple family (application)  
**EP 03707056 A 20030225**; AU 2003211690 A 20030225; CN 03813304 A 20030225; JP 0302059 W 20030225; JP 2002105245 A 20020408; KR 20047016039 A 20030225; US 51050504 A 20041007